

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001830

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B25J 13/00, G05B 9/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B25J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5862056 A (Y.IWATA ET AL), 19 January 1999 (19.01.1999), abstract --	1-22
A	US 5046022 A (L.CONWAY ET AL), 3 Sept 1991 (03.09.1991), abstract --	1-22
A	US 5687295 A (H.KAIHORI ET AL), 11 November 1997 (11.11.1997), abstract --	1-22
A	US 6330495 B1 (M.KANEKO ET AL), 11 December 2001 (11.12.2001), abstract --	1-22

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

22 February 2005

Date of mailing of the international search report

09-03-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer
Lars Jakobsson /itw
Telephone No. +46 8 782 25 00

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20020193909 A1 (R.H.PARKER ET AL), 19 December 2002 (19.12.2002), abstract -- -----	1-22

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/01/2005

International application No.
PCT/SE 2004/001830

US	5862056	A	19/01/1999	DE	4228702	A	04/03/1993
				JP	2762788	B	04/06/1998
				JP	5061525	A	12/03/1993
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US	5046022	A	03/09/1991	NONE			
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US	5687295	A	11/11/1997	JP	7295625	A	10/11/1995
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				GB	2330666	A,B	28/04/1999
				GB	9822337	D	00/00/0000
				JP	11134017	A	21/05/1999
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